SONY

4-227-953-**14**(1)

Remote Commander

Operating Instructions

RM-LP204
RM-LP204M

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Precautions

On safety

Should any solid object or liquid fall into the cabinet, unplug the receiver and have it checked by qualified personnel before operating it any further.

On operation

Before connecting other components, be sure to turn off and unplug the receiver.

On cleaning

Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

If you have any question or problem concerning your receiver, please consult your nearest Sony dealer.

About This Manual

The instructions in this manual are for models RM-LP204 and RM-LP204M. Check your model number by looking at the lower left corner of the front side. In this manual, the RM-LP204 is used for illustration purposes unless stated otherwise. Any difference in operation is clearly indicated in the text, for example, "RM-LP204 only".

Conventions

The following icon is used in this manual:

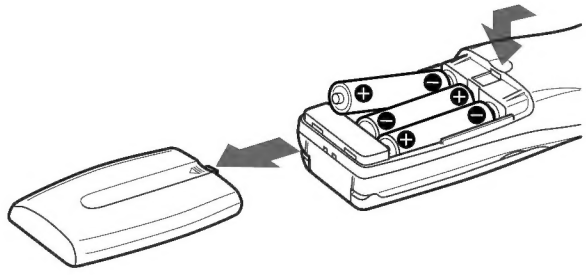
Indicates hints and tips for making the task easier.

Before You Use Your Remote

Check that you received the following item with the remote:
LR6 (size-AA) alkaline batteries (3)

Inserting batteries into the remote

Insert three LR6 (size-AA) alkaline batteries with the + and – properly oriented in the battery compartment. When using the remote, point it at the remote sensor on the receiver.



When to replace batteries

Under normal conditions, the batteries should last for about 3 months. When the remote no longer operates the receiver, replace all the batteries with new ones.

Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with old ones.
- Do not mix the alkaline batteries and other kinds of batteries. This remote is designed for use with the alkaline batteries only.
- Do not expose the remote sensor of the receiver to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

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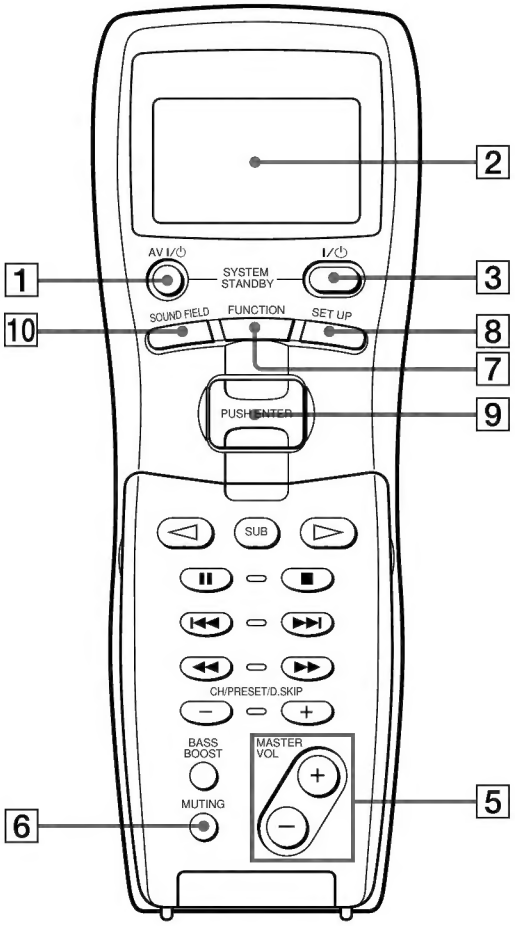
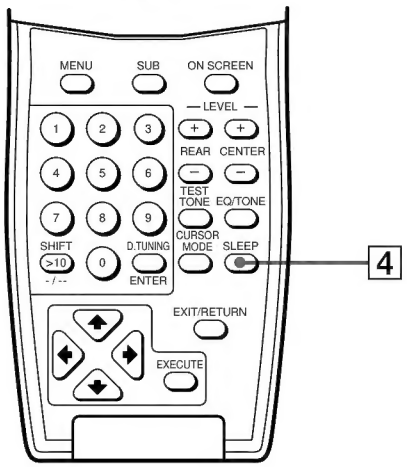
Location of Parts and Basic Remote Operations

This chapter provides information on the location of buttons and how to use them to perform basic operations. However, some functions explained in this section may not operate depending on the receiver.

Parts Description



Open up the cover.



1 AV I/⏻ switch

Press to turn on or off the components that the remote is programmed to operate. For details on programming procedure, see "Programming the Remote" on page 16.

If you press the I/⏻ switch (3) at the same time, it will turn off the main component and other Sony audio/video components (**SYSTEM STANDBY**).

Note

The function of the AV I/⏻ switch changes automatically each time you press the FUNCTION button (7). Depending on the component, the above operation may not be be possible or may operate differently than described.

2 Display window

The current status of the selected component or a list of selectable items appears here.

Note

Characters other than letters of the alphabet or numbers may be displayed incorrectly on the remote, even if they appear correctly in the display window on the main unit.

3 I/⏻ switch

Press to turn the receiver on or off.

Note

Before you turn on the receiver, make sure that you have turned the MASTER VOLUME control on the receiver to the leftmost position to avoid damaging your speakers.

4 SLEEP button

Press repeatedly to activate the sleep function and select the duration after which the receiver turns off automatically.

5 MASTER VOL +/- buttons

Press to adjust the volume level of all speakers at the same time.

6 MUTING button

Press to mute the sound. The MUTING indicator on the receiver lights up when the sound is muted.

7 FUNCTION button

Press to display the function (component) list. Press again to revert back to the component information.

See the table on page 9 for information on the buttons you can use to control each component.

If you want to change the contents of the function list to match your particular components, do the procedure "Programming the Remote" on page 16.

8 SET UP button

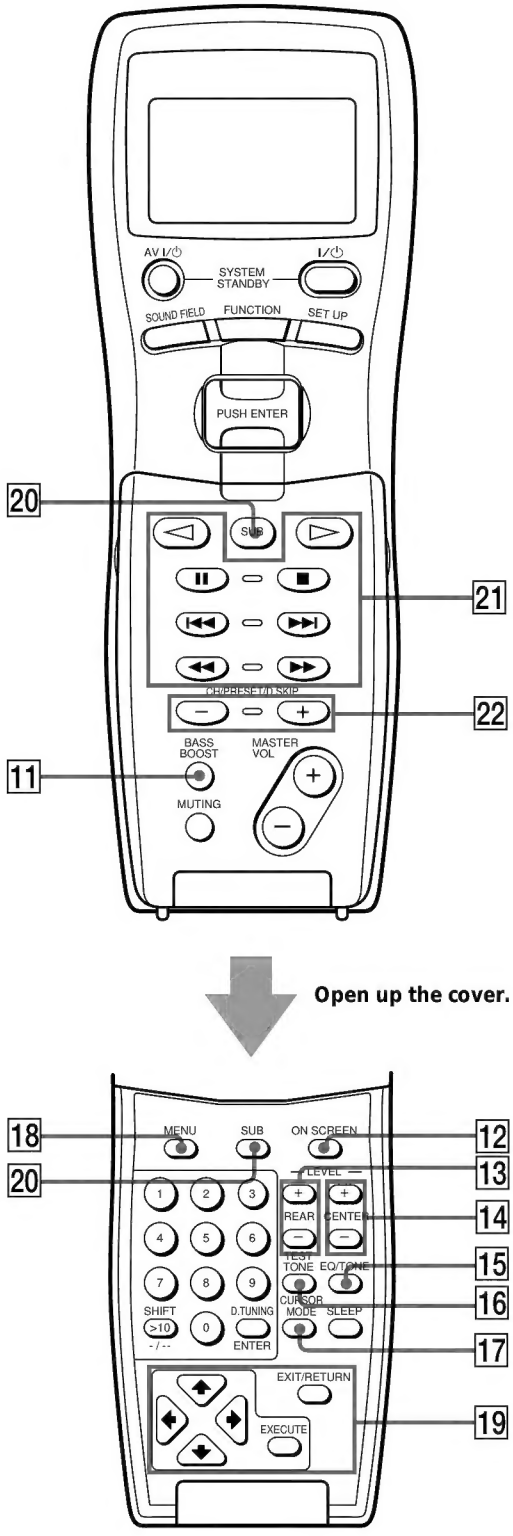
Press to display the set up list. Press again to revert back to the component information.

9 Easy scroll key

While displaying a list, move up or down to select an item from the list, and then press to enter the selection.

10 SOUND FIELD button

Press to display the sound field list. Press again to revert back to the component information.



11 BASS BOOST button

Press to increase the bass of the front speakers. The BASS BOOST indicator on the receiver lights up when the function is turned on.

12 ON SCREEN button

For receivers with the on-screen function, press to turn on/off the menu display on the TV screen.

13 LEVEL REAR +/- buttons

Press to adjust the volume level of the rear speakers.

14 LEVEL CENTER +/- buttons

Press to adjust the volume level of the center speaker.

15 EQ/TONE button

Press to turn the equalizer or tone effect on or off. The TONE indicator on the receiver lights up when the effect is turned on.

Note that if you have adjusted the equalization or tone using the CURSOR MODE button and cursor buttons, the adjusted equalization or tone will be produced whenever you turn on the equalizer or tone effect.

16 TEST TONE button

Press to output a test tone.

17 CURSOR MODE button

Press repeatedly to select a cursor mode, SURROUND, BASS/TREBLE (EQ), etc. The indicator for the selected cursor mode lights up on the receiver.

18 MENU button

When you have selected the VCR, DVD player, or SAT tuner, press this buton to display VCR, DVD, or SAT menu on the TV screen. Then use the cursor buttons to perform the menu operations (see "19 Cursor buttons (↑/↓/←/→)," "EXECUTE button," and "EXIT/RETURN button" on this page).

Note

When you have selected VCR, the remote is set to control the VCR that corresponds with VCR 1 after you press the MENU button. Before pressing the button, make sure to set the VCR input mode to VCR 1.

19 Cursor buttons (↑/↓/←/→)

After pressing the CURSOR MODE button or SET UP button on the receiver, use the cursor buttons to make specific settings. For details refer to the Operating Instructions supplied with your receiver.

To perform menu operations on the VCR, DVD player, or SAT tuner, do the procedure below. If you do not do this, the cursor buttons merely operate the receiver.

1 Press FUNCTION and move the easy scroll key to select the VCR, DVD player, or SAT tuner.

2 Open up the cover on the remote.
CURSOR TYPE list appears.
If the list has disappeared before you go on to Step 3, press any of the cursor buttons to restore the list.

3 Move the easy scroll key to select the component that you selected in Step 1, then press the key to enter the selection.

EXECUTE button

After pressing the MENU (or SAT guide), use the cursor buttons to select a menu item, then press the EXECUTE button to enter the selection.

EXIT/RETURN button

Press to return to the previous menu or exit the menu while VCR, DVD, or SAT menu or SAT guide is displayed on the TV screen.

20 SUB button

While operating a component, press to display a list of operations that the corresponding buttons are not found on the remote. Then move the easy scroll key to select the operation, and then press the key to enter the selection. Press again to revert back to the component information.

See the table on pages 10 and 11 for information on the operations that appear when you press the SUB button.

21 Tape/disc operation buttons

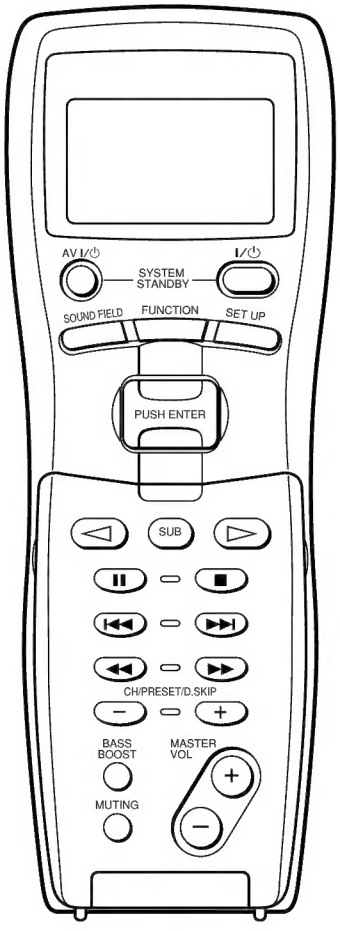
The following table shows what components are operated by each button and the function of the buttons.

Button(s)	Function
▷	Starts play of the playback medium
◁	Starts play on the reverse side of the cassette
❚❚	Pauses play or recording or starts recording when the component is in recording standby
■	Stops play
⏮/⏭	Skips tracks
◀◀/▶▶	Fastwinds or rewinds
	Searches tracks in the forward or backward direction

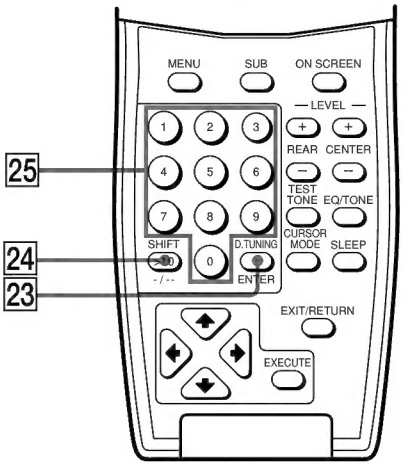
See the table on page 9 for information on the buttons that you can use to control each component.

22 CH/PRESET/D.SKIP +/- buttons

Press repeatedly to select a preset station, channel, track, or a disc.



Open up the cover.



23 D.TUNING ENTER button

If you have selected tuner:
Press to enter Direct Tuning mode. For details on Direct Tuning procedure, refer to the Operating Instructions supplied with your receiver.

If you have selected VCR, DVD player, LD player, TV, cable box, satellite tuner, tape deck, MD deck, CD player, or DAT deck:
After selecting a channel, disc, or track using the numeric buttons, press this button to enter the selection. For details, refer to the Operating Instructions supplied with your receiver.

24 SHIFT >10 -/-- button

If you have selected tuner:
Press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.

If you selected VCR, TV, tape deck, LD player, video CD player, MD deck, or CD player:
Press before inputting a channel, disc, or track number of eleven or higher. For details, refer to the operation manual supplied with the respective components.

25 Numeric buttons (1 to 0)

Inputs the correponding numeric value. On some components, pressing 0 selects 10. For details, refer to the operation manual supplied with the respective components.

Table of buttons used to control each component

When you program the remote to control the following Sony or non-Sony components, you can use the buttons on the remote that are marked with circles. Note, however, that some buttons may not operate your component.

Component / Button	VCR	Satellite tuner	DVD player	LD player	TV	Cable box	Tuner	Video CD player	CD player	MD deck	DAT deck	Tape deck (A and B)	Projector
AV I/⏻	●	●	●	●	●	●		●	●	●			
SUB[1]	●	●	●	●	●	●	●	●	●	●	●	●	●
◁											●		
▷	●		●	●				●	●	●	●	●	
▮▮	●		●	●				●	●	●	●	●	
■	●		●	●				●	●	●	●	●	
⏮/⏭	●		●	●				●	●	●	●	●[2]	
◀◀/▶▶	●		●	●				●	●	●	●	●	
CH	●	●			●	●							
PRESET							●						
D.SKIP +/–[3]			●					●	●	●			
Cursor buttons	●	●	●										●
MENU	●	●	●										
Numeric buttons	●	●	●	●	●		●	●	●	●	●	●	
SHIFT							●						
>10	●			●				●	●	●		●	
-/--					●								
D.TUNING							●						
ENTER	●	●	●	●	●				●	●	●	●[4]	●
EXIT		●											
RETURN			●	●				●					
EXECUTE	●	●	●										

[1] *For information on the operations that become available when you press the button, see the table on page 10.*
[2] *Deck B only.*
[3] *Multi disc changer only.*
[4] *RMS/START.*

Table of operations that appear when you press the SUB button

Press the SUB button to display a list of operations that the corresponding buttons are not found on the remote. The contents of the lists will vary according to the currently selected component. The following table shows the items in each list and the function of each item.

Component	Item(s)	Function
VCR	REC	Starts recording
	DISPLAY	Selects information displayed on the TV screen
	INPUT SEL.	Changes the input mode of the VCR
	ANT TV/VTR	Selects the signal to be output from the antenna terminal of the VCR (TV signal or video signal)
	SP/LP	Selects the playback speed
Satellite tuner	GUIDE	Displays the SAT guide
	JUMP	Toggles between the previous and current channels
	DISPLAY	Selects information displayed on the TV screen
	FAVORITE	Displays the Favorite Station Guides
	CATEGORY	Displays the Guide Category list
	INDEX	Displays the Station Index
DVD player	DISPLAY	Selects information displayed on the TV screen
	TITLE	Displays the Title menu. For details on the menu operation, see "To perform title and set up menu operations on the DVD player" on page 11.
	SET UP	Displays the Set up menu. For details on the manu operation, see "To perform title and set up menu operations on the DVD player" on page 11.
	S.TITLE CHG	Changes the Subtitle Language
	SUBTITLE	Displays the Subtitles
	AUDIO CHG.	Changes the sounds
	SEARCH MODE	Changes the search mode
	CLEAR	Returns to the Continuous Play etc.
	INDEX +	Selects a index
	INDEX –	

Component	Item(s)	Function
LD Player	SIDE A[a)]	Selects side A of the disc
	SIDE B[a)]	Selects the side B of the disc
	DISPLAY	Selects information displayed on the TV screen
	PROGRAM	Programs the tracks
	REPEAT	Repeats current track or programmed tracks
TV	MUTING	Mutes the sound
	VOL +	Raises the volume
	VOL –	lowers the volume
	JUMP	Toggles between the previous and current channels
	DISPLAY	Selects information displayed on the TV screen
	TV/VTR	Changes the input mode of the TV
	P IN P	Activates the picture-in picture function[b)]
	POSITION	Changes the position of the small picture[b)]
	SWAP	Swaps the small and large pictures[b)]
	WIDE	Selects the wide-picture mode[c)]
	SUB CH +	Selects preset channels for the small picture[b)]
	SUB CH –	
Cable box		
Tuner	FM/AM	Selects the FM or AM band
VIDEO CD Player	TIME	Changes the time information
	INDEX +	Selects a index
	INDEX –	
CD Player	DISC	Selects a disc[d)]
	TRACK	Selects a track[d)]
	CONTINUE	Selects Continuous Play
	SHUFFLE	Selects Shuffle Play
	PROGRAM	Selects Program Play
	REPEAT	Selects Repeat Play

Component	Item(s)	Function
MD deck	CONTINUE	Selects Continuous Play
	SHUFFLE	Selects Shuffle Play
	PROGRAM	Selects Program Play
	REPEAT	Selects Repeat Play
	DISPLAY	Changes the information on the display
	EDIT/NO (MENU)	Selects editing operation or cancels editing
	YES	Performs editing operation
	REC	Pauses for recording
DAT deck	REC	Pauses for recording
	REPEAT	Starts Repeat Play
	CLEAR	Erases a track in the program etc.
Tape deck	A-REC	Makes deck A pause for recording
	B-REC	Makes deck B pause for recording
Projector	POWER ON	Turn on the projector
	POWER OFF	Turn off the projector
	INPUT A	Switch to the input from INPUT A jacks
	INPUT B	Switch to the input from INPUT B jacks
	INPUT VIDEO	Switch to the input from VIDEO jacks
	INPUT SELEC	Switch to the input from VIDEO IN or S VIDEO IN jacks
	MEMORY	Store the adjusted data in memory
	BRIGHT +	Adjust the brightness
	BRIGHT –	
	CONTRAST +	Adjust the contrast
	CONTRAST –	
	ZOOM +	Adjust the zoom of the picture
	ZOOM –	
	SHIFT +	Adjust the lens shift of the picture
	SHIFT –	
	FOCUS +	Adjust the focus of the picture
	FOCUS –	

a) "SIDE A/B" appears for non-Sony LD players.
b) Only with Sony TVs with the picture-in-picture function.
c) Only with Sony TVs that supports the wide-picture mode.
d) Only with the Sony CD changer.

Note

If you have programmed the remote to control non-Sony components, note the following:

— All the items may not appear when you select a component.
— All the items displayed may not function.

To perform title and set up menu operations on the DVD player

1 Select the DVD player from the function list.

2 Press SUB.

3 Move the easy scroll key to select "TITLE" (for the title menu) or "SET UP" (for the set up menu), then press the key to enter the selection.

4 Open up the cover on the remote and move the easy scroll key to select "DVD" from the CURSOR TYPE list, then press the key to enter the selection.

5 Use the cursor buttons and the EXECUTE button to perform menu operations on the DVD player.

To exit the menu operation

1 Close the cover on the remote.

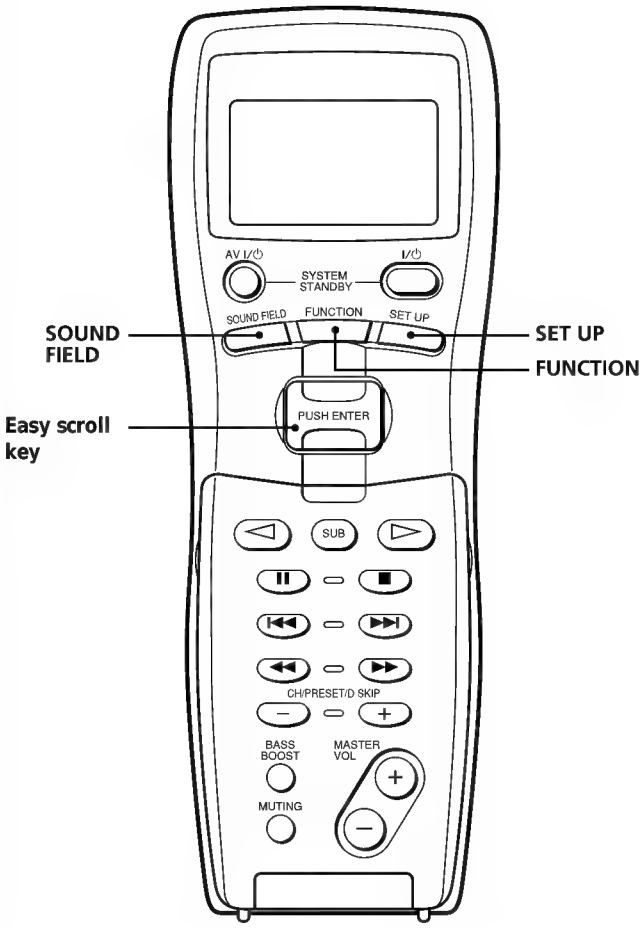
2 Press SUB.

3 Move the easy scroll key to select "TITLE" or "SET UP", then press the key to enter the selection.

To display the DVD menu, use the MENU button. For details, see "18 MENU button" on page 7.

Using the Lists

This chapter describes how to display and use various lists. It also includes a chart showing all of the various lists.



Brief descriptions of buttons for list operations

SOUND FIELD button: Press to display the sound field list. Press again to revert back to the component information.

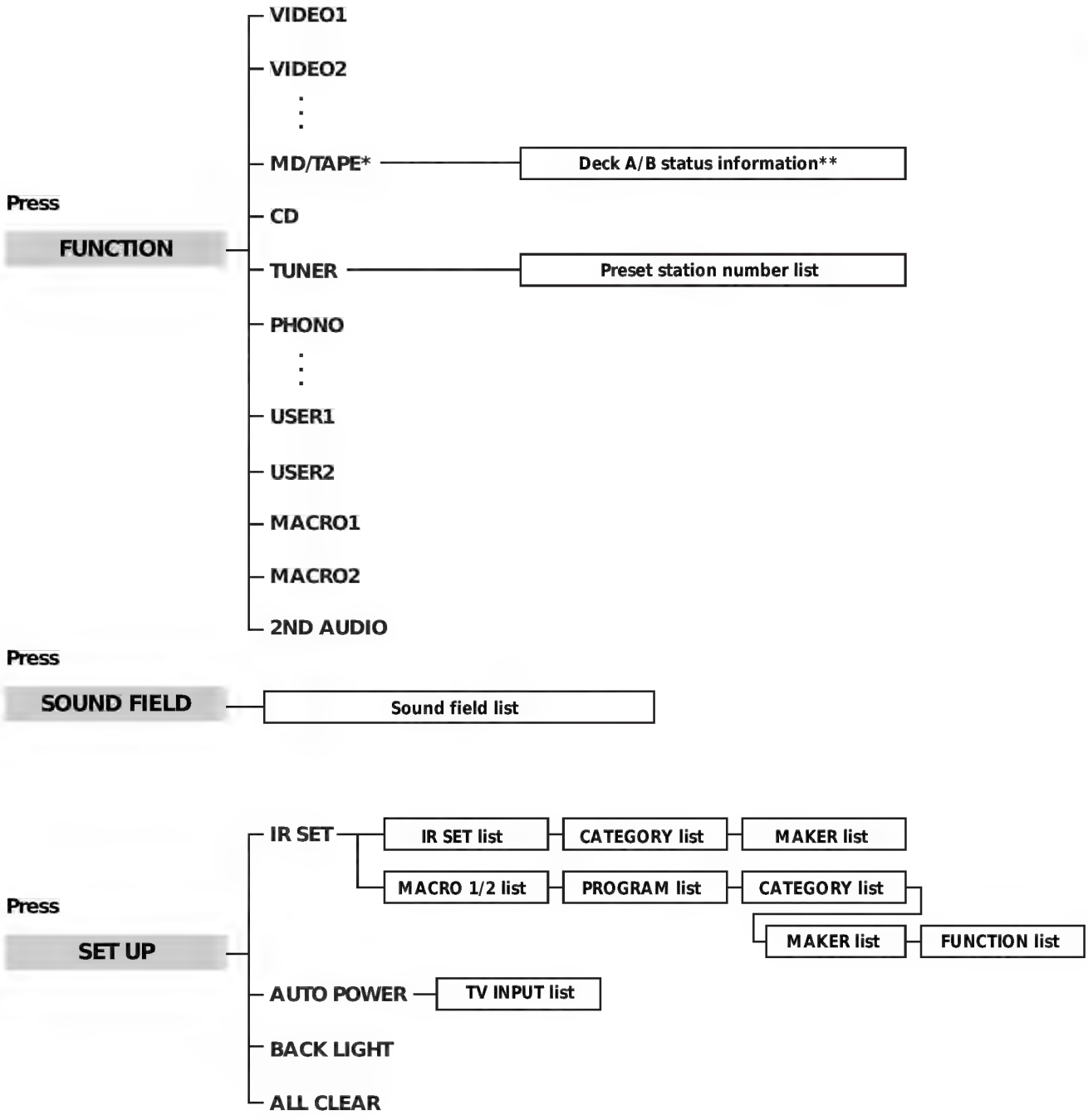
FUNCTION button: Press to display the function (component) list. Press again to revert back to the component information.

SET UP button: Press to display the set up list. Press again to revert back to the component information.

Easy scroll key: While displaying a list, move this key up or down to select an item from the list, then press the key to enter the selection.

Chart of Lists

See the treelike chart below for the list hierarchy. Details on how to access each list is given from page 14. Some items have sub-lists that appear when you press the SUB button (see pages 10 and 11).
The configuration of the lists will vary depending on the receiver.



* *TAPE (for RM-LP204M).*
** *When TAPE is selected.*

Selecting a Component

Basic procedure for selecting a component

Do the procedure below to select a component from the function list. Note that the components contained in the list will vary depending on the receiver.

1 Press FUNCTION.
The function list appears. The items in the list correspond with the jacks on the receiver.

2 Move the easy scroll key to select a component from the list, then press the key to enter the selection.
Information about the component appears in the display window.

A display example

You can modify the category indication
The category indication tells you what component is actually connected to the jacks on the receiver. If a component is connected to jacks for which they are not originally meant, you can modify the category indication to match the component. For details, see "Programming the Remote" on page 16.

You can turn on components automatically
You can set the remote to automatically turn on a component when it is selected from the function list. For details, see "Using the auto power function" on page 19.

When selecting the MD/TAPE function on the receiver using RM-LP204M
You can select either the TAPE or the MD function on the remote. We recommend programming the category of the component connected to the MD/TAPE jacks on the receiver to both the TAPE and the MD function on the remote.

Depending on the component that you selected, you may have to do an additional procedure, or you may be able to obtain detailed information about the component by doing an additional procedure. For details, see "Additional procedures after selecting a component" on this page.

Additional procedures after selecting a component

If you have selected tuner
Do the procedure below after you have selected the tuner.

1 Move the easy scroll key.
The preset station number list appears.

2 Move the easy scroll key to select the preset station, then press the key to enter the selection.

If you selected the tape deck

Move the easy scroll key to display the information about deck A or B.

Note

When the remote is programmed to control a non-Sony tape deck, the following may occur:

— The information about deck B is not displayed and you cannot switch between tape deck A and B.

— "TAPE A/B" is displayed and tape deck A and B switch automatically each time you press the easy scroll key, etc.

If you selected the 2ND AUDIO source

Move the easy scroll key to select the source of 2ND AUDIO, then press the key.

Note

Depending on the component you are using, the component may not have the "2ND AUDIO" function. For details, refer to the Operating Instructions supplied with your receiver.

Selecting a Sound Field

Do the procedure below to select a sound field from the sound field list. Note that the sound fields contained in each list will vary depending on the receiver.

1 Press SOUND FIELD.

The sound field list appears.

2 Move the easy scroll key to select the sound field, then press the key to enter the selection.

A display example

To turn off the sound field

Move the easy scroll key to select either "2CH STEREO" or "A.F.D." in the sound field list in the display.

Programming the Remote

You can customize the remote to match the components connected to your receiver. You can even program the remote to control non-Sony components and also Sony components that the remote is normally unable to control. The procedure below uses as an example a case in which a Kenwood LD player is connected to the VIDEO 2 jacks on the receiver.

Before you begin note that:
— You cannot change the settings of TUNER and PHONO.
— The remote can control only components that accept infrared wireless control signals.

Be sure to turn on the receiver and point the remote towards the receiver when performing the following procedure.

1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "IR SET," then press the key to enter the selection.
The IR SET list appears.

3 Move the easy scroll key to select the component ("VIDEO 2," for example), then press the key to enter the selection.
The CATEGORY list appears.

4 Move the easy scroll key to select the category (i.e., the component that is actually connected to the corresponding jacks; in this case, "LD"), then press the key to enter the selection.
The MAKER list appears.

5 Move the easy scroll key to select the maker of the component ("Kenwood," for example), then press the key to enter the selection.

When programming the remote to control Sony component
Select "Sony."

Programming is now completed.

To cancel programming

Move the easy scroll key to select "EXIT" from the IR SET list, or "CANCEL" from the CATEGORY list or MAKER list, then press the key to enter the selection.

You can freely assign any component to USER 1 and 2 items in the IR SET list

1 Do Steps 1 and 2 in "Programming the Remote".

2 Move the easy scroll key to select "USER 1" or "USER 2," then press the key to enter the selection.

3 Continue from Step 3 in "Programming the Remote" to select the category and maker of the component.

Performing Several Commands in Sequence Automatically (Macro Play)

The Macro Play function lets you link several IR codes in a sequential order as a single command. The remote provides 2 macro lists (MACRO 1 and 2). You can specify up to 8 IR codes for each macro list.

Setting the sequence of IR codes

1 Press SET UP.
The set up list appears.

```
→IR SET
 AUTO POWER
 BACK LIGHT
```

2 Move the easy scroll key to select "IR SET," then press the key to enter the selection.
The IR SET list appears.

```
<IR SET>
→[ MACRO1 ]
 [ MACRO2 ]
```

3 Move the easy scroll key to select "MACRO 1" (or "MACRO 2"), then press the key to enter the selection.
The PROGRAM list appears.

```
Program No.?
→ Macro 1-1
  Macro 1-2
```

4 Move the easy scroll key to select the macro step number ("Macro 1-1" for example) then press the key to enter the selection.
The CATEGORY list appears.

```
 CATEGORY?
→ VCR
  TV
```

5 Move the easy scroll key to select the component category ("VCR" for example) then press the key to enter the selection.
The MAKER list appears.

```
 MAKER?
→ Sony VTR1
  Sony VTR2
```

6 Move the easy scroll key to select the maker, then press the key to enter the selection. For pre-programmed functions, "*" is displayed in front of the function, for example, "* PLAY".
The FUNCTION list appears.

```
 FUNCTION?
→ NO SET
  WAIT TIME
```

7 Move the easy scroll key to select the IR code for the operation you want to perform, then press the key to enter the selection.
The PROGRAM list reappears.

```
Program No.?
→ Macro 1-1
  Macro 1-2
```

8 Repeat steps 4 through 7 to program up to 8 IR codes.
When you have finished programming IR codes, select "EXIT" in step 7.

To cancel programming

Move the easy scroll key to select "EXIT" or "CANCEL" during any step, then press the key to enter the selection.

To erase a programmed IR code

Move the easy scroll key to select "NO SET" from the FUNCTION list, then press the key to enter the selection.

To turn off all connected Sony components (SYSTEM STANDBY)

Move the easy scroll key to select "ALL OFF" from the FUNCTION list, then press the key to enter the selection. However, this function cannot apply to some Sony components.

To delay the output of an IR code

Move the easy scroll key to select "WAIT TIME" from the FUNCTION list, then press the key to enter the selection. This allows you to specify a 1 to 10 second delay (in 1 second increments) before outputting the IR code.

Performing Several Commands in Sequence Automatically (Macro Play)

Starting macro play

1 Press FUNCTION.
The function list appears.

2 Move the easy scroll key to select "MACRO 1" or "MACRO 2", then press the key to enter the selection.
The IR codes appear in the display window as they are performed.

Notes

- Pressing any of the following buttons during a macro play operation will cancel the macro play sequence before it is complete.
  - AV I/⏻
  - I/⏻
  - SYSTEM STANDBY
  - SOUND FIELD
  - FUNCTION
  - SET UP
- When the Macro Play function does not work properly, set "WAIT TIME" between each operation.

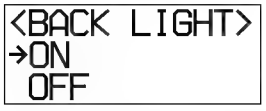
Other Operations

Turning the backlight on or off

Each time you press a button on the remote, the backlight turns on. If you do the procedure below to turn off the backlight, you can make the batteries last longer.

1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "BACK LIGHT," then press the key to enter the selection.
The BACK LIGHT list appears .



3 Move the easy scroll key to select "ON" or "OFF," then press the key to enter the selection.

Clearing all the contents of remote's memory

Be sure to turn on the receiver and point the remote towards the receiver when performing the following procedure.

1 Press SET UP.
The set up list appears.

2 Move the easy scroll key to select "ALL CLEAR", then press the key to enter the selection.

3 Move the easy scroll key to select "YES", then press the key to enter the selection.
"CLEAR OK?" appears.

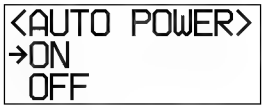
4 Move the easy scroll key to select "YES" again, then press the key.
All the contents of the remote's memory (i.e., all the programmed data) are cleared.

Using the auto power function

With the auto power function turned on, the commander sends numerous codes to the appropriate Sony AV components when you select a video function. Automatically, the components and the TV you have done IR setting turn on and the TV switches to the selected input mode. This function works for Sony components only.

1 **Press SET UP.**
The set up list appears.

2 **Move the easy scroll key to select "AUTO POWER", then press the key to enter the selection.**
The AUTO POWER list appears .



3 **Move the easy scroll key to select "ON" or "OFF", then press the key to enter the selection.**

4 **When you select "ON", move the easy scroll key to select the video input of the TV, then press the key to enter the selection.**

Note

Switching to VIDEO 1~4 input may not be automatic on all Sony TVs. This is because some TVs cannot receive remote control codes immediately after being turned on.

Additional Information

Troubleshooting

If you experience any of the following difficulties while using the remote, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.

The remote does not function.

- ➡ Point the remote at the remote sensor ▣ on the receiver.
- ➡ Remove any obstacles in the path between the remote and the receiver.
- ➡ Replace all the batteries in the remote with new ones, if they are weak.
- ➡ Make sure you select the correct function on the remote.
- ➡ When you operate a programmed non-Sony component, the remote may not function properly depending on the model and the make of the component.

appears in the display window of the remote.

- ➡ The batteries are running out. Replace all the batteries with new ones.

The function names that appear in the display windows of the receiver and the remote are different.

- ➡ Select the correct function using the remote.

Specifications

General

Remote control system	Infrared control
Power requirements	4.5 V DC with three LR6 (size-AA) alkaline batteries
Dimensions	175 × 62 × 33 mm
Mass (approx.)	135 g excluding batteries

Design and specifications are subject to change without notice.

Sony Corporation Printed in Malaysia